



TIME: 09:29:27



RAW SEQUENCE LISTING

7

PATENT APPLICATION: US/09/486,882

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

	5	<110> APPLICANT: Rowett Research Institute Services limited <120> TITLE OF INVENTION: Chimeric binding peptide library screening method <130> FILE REFERENCE: P22410-/scr/bou														nod			
C>												/486	. 882						
C>													,						
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	14	<170)> S(OFTWA	ARE:	Pate	entIr	n Vei	r. 2.	. 0					F	- ~	7		
		<210														= 1/		ERE	ע ו
		<211				21												_	-
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		<220				ana												•	
		<221 <222						175\											
								1/5)											
		<pre><400> SEQUENCE: 1 aagcttgcat gcaaattcta tttcaaggag acagtcataa atg aaa tac cta ttg 55</pre>														55			
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	30	cct	acg	gca	gcc	gct	gga	ttg	tta	tta	ctc	gcg	gcc	cag	ccg	gcc	atg	103	
		Pro																	
	32					10			-=>	cV	- 15					20			
		gcc						taa	tag									151	
	35	Ala	Gln	Val	Gln	Leu	Gln				Ala	Ala	Gly	Gly	Gly	Gly	Ser		
M>					25					_30					35			4.00	
		atg																. 199	
		Met	Glu		Ala	Lys	Glu	Thr	-	Tyr	Cys	Ala	Val	_	Asn	Asp	Tyr		
M>				40			.	~~-	45			+~+	~~~	50	+~~	226	~~~	247	
		gct Ala																247	
W>		MIA	55	сту	тăт	птр	тут	60 61	val	тър	Ser	Cys	65	Сту	Суз	цуз	Ala		
"		ttc		aaσ	aga	agt	att		aaa	cat	aac	gac		atσ	tat	сса	acc	295	
		Phe																	
W>							75		-4			80	_		-		85		
	50	acc	aac	cag	tgc	acc	att	gat	aaa	aac	agg	agg	aag	agc	tgc	cag	gcc	343	
	51	Thr	Asn	Gln	Cys	Thr	Ile	Asp	Lys	Asn	Arg	Arg	Lys	Ser	Cys	Gln	Ala		
₩- - >						90					95					100			
		tgc																391	
		Cys	Arg	Leu	_	Lys	Cys	Tyr	Glu		Gly	Met	Met	Lys		Gly	Ile		
W>					105					110					115			430	
		cga																439	
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		Asp											cya	cuu	Louge	,		100	
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		agagtgacct gagctaaaat aacacattca gaattc 521																	
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/486,882 DATE: 08/15/2001 TIME: 09:29:27

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

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70 <211> LENGTH: 27
71 <212> TYPE: PRT
72 <213> ORGANISM: Recombinant human oestrogen
74 <400> SEQUENCE: 2
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78 Ala Gln Pro Ala Met Ala Gln Val Gln Leu Gln
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82 <210> SEQ ID NO: 3
83 <211> LENGTH: 115
84 <212> TYPE: PRT
85 <213> ORGANISM: Recombinant human oestrogen
87 <400> SEQUENCE: 3
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91 Tyr Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val
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94 Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly
                                40
97 His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys
                            55
100 Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu
                         70
103 Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg
106 Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu
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107
109 Val Gly Ser
110
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113 <210> SEQ ID NO: 4
114 <211> LENGTH: 102
115 <212> TYPE: DNA
116 <213> ORGANISM: human
118 <220> FEATURE:
119 <221> NAME/KEY: CDS
120 <222> LOCATION: (1)..(102)
122 <400> SEQUENCE: 4
123 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat
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124 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
125
    1
                     5
                                         10
                                                                       96
127 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac
128 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
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                                     25
                                                                       102
131 ttc tat
132 Phe Tyr
135 <210> SEQ ID NO: 5
136 <211> LENGTH: 34
137 <212> TYPE: PRT
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138 <213> ORGANISM: human

RAW SEQUENCE LISTING TO DATE: 08/15/2001 PATENT APPLICATION: US/09/486,882 TIME: 09:29:27

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

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141 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
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144 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
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147 Phe Tyr
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152 <211> LENGTH: 150
153 <212> TYPE: DNA
154 <213> ORGANISM: Human lymphocyte
156 <220> FEATURE:
157 <221> NAME/KEY: CDS
158 <222> LOCATION: (1)..(150)
160 <220> FEATURE:
162 <400> SEQUENCE: 6
163 atg gcc cag ccc acc acg cgt ccg ggc caa ggg aca cga ctg gac att
164 Met Ala Gln Pro Thr Thr Arg Pro Gly Gln Gly Thr Arg Leu Asp Ile
                     5
                                         10
167 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat
                                                                       96
168 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
                 20
                                     25
171 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac
172 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
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                                                     45
                                                                       150
175 ttc tat
176 Phe Tyr
177
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182 <212> TYPE: PRT
183 <213> ORGANISM: Human lymphocyte
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189 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
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192 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
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195 Phe Tyr
196
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202 <213> ORGANISM: Human lymphocyte
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205 <221> NAME/KEY: CDS
206 <222> LOCATION: (1)..(150)
208 <400> SEQUENCE: 8
209 atg gcc cag tcc cac cac gcg tcc ggc gga ggg acc aag gtg gag atc
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DATE: 08/15/2001

PATENT APPLICATION: US/09/486,882 TIME: 09:29:27 Input Set: A:\Try22410.app Output Set: N:\CRF3\08132001\I486882.raw 210 Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile 213 aaa cga act gtg gct gca cca tct gtc ttc atc ttc ccg cca tct gat 96 214 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp 20 217 gag cag ttg aaa tct gga act gcc tct gtt gtg tgc ctg ctg aat aac 144 218 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn 40 219 150 221 ttc tat 222 Phe Tyr 223 50 226 <210> SEQ ID NO: 9 227 <211> LENGTH: 50 228 <212> TYPE: PRT 229 <213> ORGANISM: Human lymphocyte 231 <400> SEQUENCE: 9 232 Met Ala Gln Ser His His Ala Ser Gly Gly Gly Thr Lys Val Glu Ile 235 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp 20 25 238 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn 239 241 Phe Tyr 242 50 245 <210> SEQ ID NO: 10 246 <211> LENGTH: 566 247 <212> TYPE: DNA 248 <213> ORGANISM: Recombinant human oestrogen 250 <220> FEATURE: 251 <221> NAME/KEY: CDS 252 <222> LOCATION: (41)..(475) 254 <400> SEQUENCE: 10 55 255 aagettgeat geaaatteta ttteaaggag acagteataa atg aaa tae eta ttg 256 Met Lys Tyr Leu Leu 259 cct acg gca gcc gct gga ttg tta tta ctc gcg gcc cag ccg gcc atg 103 260 Pro Thr Ala Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala Met 261 10 20 263 gcc gag gtg caa ctg cag taa tag gcg gcc gca ggg gga gga ggg tcc Ala Ala Gly Gly Gly Ser 264 Ala Glu Val Gln Leu Gln 25 /30 267 atg gaa tot goo aag gag act ege tac tgt goa gtg tgc aat gac tat 199 268 Met Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn Asp Tyr 45 271 gct tca ggc tac cat tat gga gtc tgg tcc tgt gag ggc tgc aag gcc 247 272 Ala Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala W--> 27360 55 295 275 ttc ttc aag aga agt att caa gga cat aac gac tat atg tgt cca gcc 276 Phe Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys Pro Ala .

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DATE: 08/15/2001

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Input Set : A:\Try22410.app Output Set: N:\CRF3\08132001\I486882.raw W--> 277 70 80 75 85 279 acc aac cag tgc acc att gat aaa aac agg agg aag agc tgc cag gcc 343 280 Thr Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala W--> 28195 90 283 tgc cgg ctc cgt aaa tgc tac gaa gtg gga atg atg aaa ggt ggg ata 391 284 Cys Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly Gly Ile 105 110 287 cga aaa gac cga aga gga ggg aga atg ttg aaa cac aag cgc cag aga 439 288 Arg Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg Gln Arg 120 125 291 gat gat ggg gag ggc agg ggt gaa gtg ggg tet tga taatcaggte 485 292 Asp Asp Gly Glu Gly Arg Gly Glu Val Gly Ser 135 140 295 agagtgacct gagctaaaat aacacattca ggtcgacttg ggtcagtctg accgggacaa 545 297 agttaatgta acctcgaatt c 300 <210> SEQ ID NO: 11 301 <211> LENGTH: 27 302 <212> TYPE: PRT 303 <213> ORGANISM: Recombinant human oestrogen 305 <400> SEQUENCE: 11 306 Met Lys Tyr Leu Leu Pro Thr Ala Ala Gly Leu Leu Leu Ala 10 309 Ala Gln Pro Ala Met Ala Glu Val Gln Leu Gln 20 313 <210> SEQ ID NO: 12 314 <211> LENGTH: 115 315 <212> TYPE: PRT 316 <213> ORGANISM: Recombinant human oestrogen 318 <400> SEQUENCE: 12 319 Ala Ala Ala Gly Gly Gly Ser Met Glu Ser Ala Lys Glu Thr Arg 320 10 322 Tyr Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val 20 25 325 Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly 35 40 328 His Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys 331 Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu 334 Val Gly Met Met Lys Gly Gly Ile Arg Lys Asp Arg Arg Gly Gly Arg 85 90 337 Met Leu Lys His Lys Arg Gln Arg Asp Asp Gly Glu Gly Arg Gly Glu 338 340 Val Gly Ser 341 115 344 <210> SEQ ID NO: 13 345 <211> LENGTH: 539 346 <212> TYPE: DNA 347 <213> ORGANISM: Recombinant human oestrogen

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,882

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY. •

DATE: 08/15/2001 PATENT APPLICATION: US/09/486,882 TIME: 09:29:28

Input Set : A:\Try22410.app

Output Set: N:\CRF3\08132001\I486882.raw

```
L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:40 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:52 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:265 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:269 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:273 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:277 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:281 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:285 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:289 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:293 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:10
L:612 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21
L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
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